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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.	
09/540,471	03/31/2000	Yuliya Anatolyevna Akulova	1-4-2 2480		
7	590 01/28/2003				
GREG H. PARKER HITT, GAINES & BOISBRUN, P.C. P.O. BO 832570			EXAMINER		
			NGUYEN, TUAN M		
RICHARDSON, TX 75083			ART UNIT	PAPER NUMBER	
			2828		
			DATE MAILED: 01/28/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No).	Applicant(s)					
	09/540,471		AKULOVA ET AL.					
Office Action Summary	Examiner		Art Unit					
	Tuan M Nguye		2828					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, how y within the statutory m will apply and will expir , cause the application	wever, may a reply be time inimum of thirty (30) days e SIX (6) MONTHS from t to become ABANDONED	ely filed will be considered timely he mailing date of this co 0 (35 U.S.C. § 133).	r. mmunication.				
1) Responsive to communication(s) filed on 30 C	<u> October 2002</u> .							
2a) This action is FINAL . 2b) ☐ Th	is action is non-	final.						
3) Since this application is in condition for alloward closed in accordance with the practice under Disposition of Claims				e merits is				
4) Claim(s) 1-20 is/are pending in the application	1							
4a) Of the above claim(s) is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.								
6)⊠ Claim(s) <u>1-20</u> is/are rejected.			Paul	m				
7) Claim(s) is/are objected to.			PAUL IF					
8) Claim(s) are subject to restriction and/or election requirement. SUPERVISORY PATENT EXAMINATION Application Papers TECHNOLOGY CENTER 2800								
9) The specification is objected to by the Examine	r.							
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.								
If approved, corrected drawings are required in reply to this Office action.								
12) The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120								
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a) ☐ All b) ☐ Some * c) ☐ None of:								
1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No								
 3. Copies of the certified copies of the prior application from the International But * See the attached detailed Office action for a list 	reau (PCT Rule	17.2(a)).		Stage				
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
 a) The translation of the foreign language pro 15) Acknowledgment is made of a claim for domesting 								
Attachment(s)								
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	4) [_ 5) [_ 6) [_	Notice of Informal P	(PTO-413) Paper No(atent Application (PT0					

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DETAILED ACTION

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The sole recitation of a doped layer and a dopant barrier located between said doped layer and a layer fail to limit the field of the invention. The claims fail to provide any structure to incorporate with the doped layer, the dopant barrier, and a layer as recited in the claims. Furthermore, the claims are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections. See MPEP § 2172.01. The claims are objected to under 37 CFR 1.75, as being so incomprehensible as to preclude a reasonable search of the prior art by the examiner. The sole recitation of a doped layer, a dopant barrier, and a layer fail to limit the field of the invention in order to perform a proper search of the claims. Applicant is required to submit an amendment of the claims so that the examiner may make a proper comparison of the invention with the prior art.

Response to Amendment

3. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

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Communication Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan M Nguyen whose telephone number is (703) 306-0247. The examiner can normally be reached on 8am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Ip can be reached on (703) 308-3098. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9318 for regular communications and (703) 872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Paul Ip SPE

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TMN January 22, 2003